Bowd. Coll. Febry 22 1843.

Dear Sir,

I write you for the purpose of ordering for the College Atwood's Machine for Laws of falling bodies. When I conversed with you some six months ago on the subject, you thought that a first rate machine with clock movement would cost $100. You may now contract for me a machine not to exceed that sum in the price, provided, in your opinion, that amount may be judiciously expended upon it without any extra finish for mere ornament. We are in great want of numerous articles of Philosophical apparatus, and our limited resources require great economy, at present, in our expenditures. Accuracy is the point I wish to secure and a machine of this kind would be valueless, however beautiful in appearance, without it. I expect to be in Boston, Deo volente, in my vacation in May next, say, about the 23d, when I wish the machine to be in readiness for me. I write thus early, agreeably to your request, in order that you may have sufficient time for its construction. I should like, soon, the apparatus for illustrating the Brachystochrone, but it strikes me that the price is rather high com-

pared with the prices of your other articles – is it not so?
I hope to be able to order other articles before long.
My object now is, however, to request you to make
me the Atwood by the time named, or as much
earlier as you please. The height of the machine
is of importance, and I wish it of course to be that
most suitable for a College instrument – that is, as
I suppose from seven to eight feet at best. Please
acknowledge the receipt of this soon, as I wish to
be certain that the order is received by you. If
you have any suggestions to make as to price, or
any thing else in respect to it of importance for
me to consider please write me fully

Yours truly

Wm Smyth

P. S. Since writing the above I have concluded to order the "Model of Cycloydal Pendulum, and the "Sliding Inertia Parallelogram, for illustrating the equilibrium of Forces" Of them are different prices on the Catalogue, ~~Please~~ select, as you think best, Please forward them by the "Enfield to Portland" Hales & Wingloves I think. Prof Chauvenet wishes you to send with them, the V or U tube what you are making for him. The thermometer not to be sent unless ordered. I am of course accountable to you for all articles ordered by me, you will of course seek to that they will come compound.

W. S.

DSI